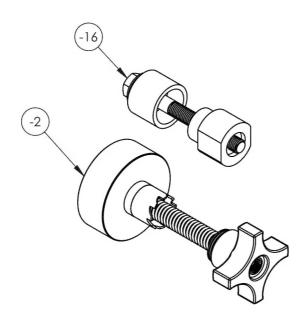
		REVISIONS			
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1A		CH'D TITLEBLOCK & REVISION BLOCK, CH'D REVISIONS TO NUMERICAL, CORRECTED VIEWS & LABELED ALL SECTION VIEWS1 ADDED DETAIL A TO CLARIFY TAPER.	9/30/09	RJC	
2	15-0025	-1 CH'D DIM. WAS Ø.498 TAPER IS .498 +.000005, WAS Ø.501 P.F3 IS .50165012, WAS .750 IS .75 +.000010, WAS Ø.750 IS (Ø.750), -3 CH'D DIMS WAS REAM Ø.500 PF TO ITEM -1 IS LIMITS Ø.50005007, WAS Ø2.00 IS (Ø2.000), -7 IMPROVED TOOTH DESIGN16 DELETED -23 & -25 ADDED CORRECT NUMBER OF -11 AND -13 TO ASSEMBLY IN BOM27 CH'D DIAMETER FOR RETAINING RING WAS Ø.263 IS .250 +.003000.	1/30/2015	RJC	JAG



				_				_	$\overline{}$
ASSY QTY	ASSY QTY	B/O	Part #	UNIT	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PC	į.
	1		-1		SHAFT	STRESSPROOF		2	٦
	Χ		-2	1	DAMPER BEARING CUTTER TOOL ASSY			3	
	1		-3		HANDLE	6061 T6		4	
	1		-7		CUTTER	01		5	
	1	B/O	-10		SPRING	STEEL	Ø.437 O.D. X Ø.054 WIRE X 2, 15.54 LBS./IN. (MCMASTER-CARR #9657K122)	1	Ī
2	2	B/O	-11		WASHER	STEEL	(APPLIED INDUSTRIAL #TRA-512)	3,	6
1	1	B/O	-13		BEARING	STEEL	(APPLIED INDUSTRIAL #NTA-512)	3,	6
	1	B/O	-15		KNOB		(ESSENTRA COMPONENTS #DK-55)	1	
Χ			-16	1	REMOVAL & INSTALLATION TOOL ASSY			6	
1			-17		R&I ADAPTER	STRESSPROOF		7	
1		B/O	-19		EXTERNAL RETAINING RING	STEEL	Ø5/16 (MCMASTER-CARR #97431A310)	1	
1			-21		CAP	6061 T6		8	
1			-27		BOLT	STEEL GRD 5	5/16-24 UNF X 3 (MCMASTER-CARR #91247A122) MOD.	9	
A\$\$Y -16	ASSY								

DART

DAMPER BEARING CUTTING TOOL

DWG NO.

REV 2

MAT'L

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

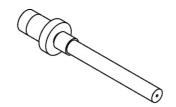
.XXX ± .005 FRACTIONS ± 1/8
 .X ± .1 ANGLES ±.5°
 .X ± .1 ANGLES ±.5°
 .X ± .1 SPEC

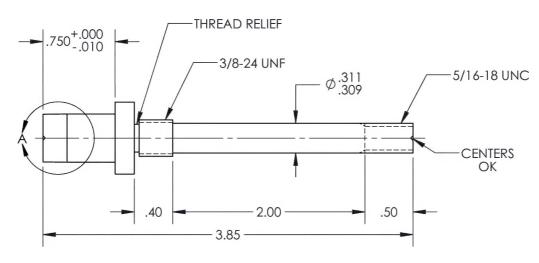
OR .015R

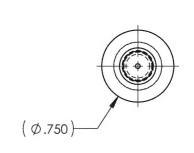
2. DIMENSIONAL LIMITS APPLY AFTER PLATING

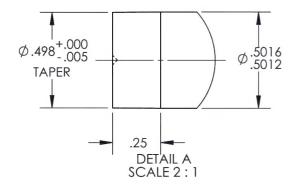
SCALE 1:1 DATE 1/30/2015 SHEET 1 OF 9

		REVISIONS			
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		-1 ADDED DETAIL A TO CLARIFY TAPER.	9/30/09	RJC	
2	15-0025	-1 CH'D DIM. WAS Ø.498 TAPER IS .498 +.000005, WAS Ø.501 P.F3 IS .50165012, WAS .750 IS .75 +.000010, WAS Ø.750 IS (Ø.750).	1/30/2015	DPD	JAG









SHAFT

DART	

DAMPER BEARING CUTING TOOL

RB877528-5-1 MAT'L STRESSPROOF UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES XXX ± .005 FRACTIONS ± 1/8 TREAT XX ± .01 ANGLES ±.5° FINISH X ± .1 SPEC

DWG NO.

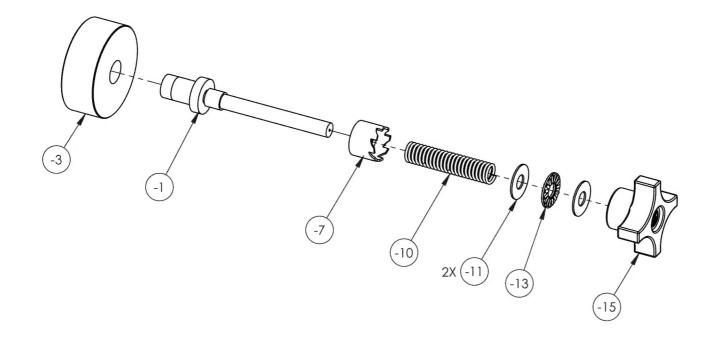
DRAWN BY: COLE BLACK OXIDE USED ON MODEL

REV

1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
2. DIMENSIONAL LIMITS APPLY AFTER PLATING SCALE DATE 1:1

MD 500D 6/28/2000 SHEET 2 OF 9

		REVISIONS		
REV	ECR	DESCRIPTION	DATE	INITIAL APPROVED





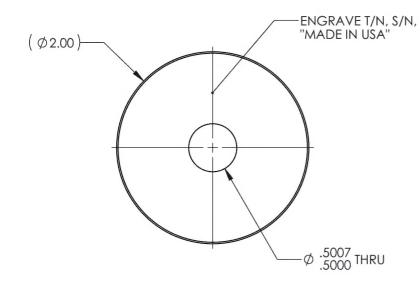
1:1

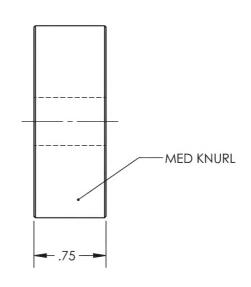


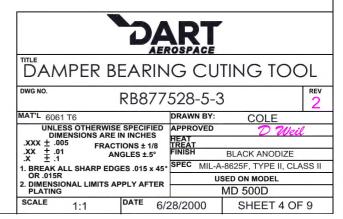
DAMPER BEARING CUTTER TOOL ASSY

	REVISIONS							
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED			
2	15-0025	-3 CH'D DIMS WAS REAM Ø.500 PF TO ITEM -1 IS LIMITS Ø.50005007, WAS Ø2.00 IS (Ø2.000).	1/30/2015	DPD	JAG			





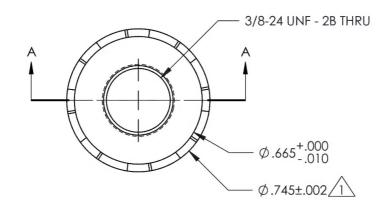


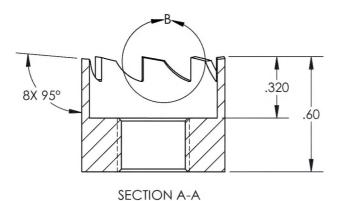


(-3)

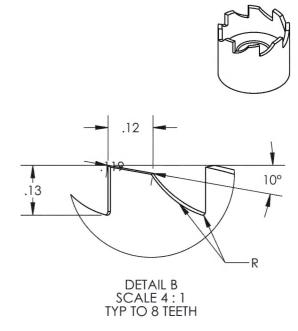
HANDLE

		revisións			
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		-7 RADIAL ANGLE INCREASED FROM 2° TO 5° TO IMPROVE OPERATION.	2/19/2004		
2	15-0025	-7 IMPROVED TOOTH DESIGN.	1/30/2015	DPD	JAG







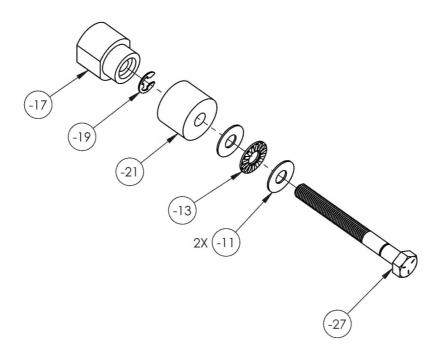


NOTE:

TURN O.D. TO Ø.755, HEAT TREAT TO RC 50-60, GRIND TO FINAL DIMENSION AFTER HEAT TREAT, NO COATING.



	REVISIONS							
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED			
2	15-0025	-16 DELETED -23 & -25 ADDED CORRECT NUMBER OF -11 AND -13 TO ASSEMBLY IN BOM.	1/30/2015	RJC	JAG			



REMOVAL & INSTALLATION TOOL ASSY

DART	

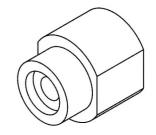
DAMPER BEARING CUTTING TOOL

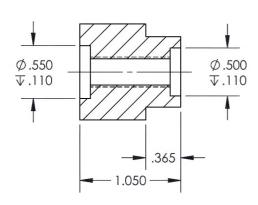
REV

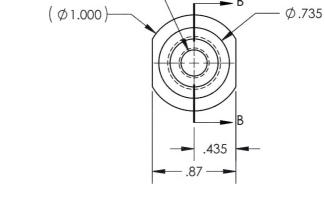
DWG NO. RB877528-5-16 MAT'L DRAWN BY: CLOUGH 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
2. DIMENSIONAL LIMITS APPLY AFTER PLATING USED ON MODEL

MD 500D SCALE 1/30/2015 SHEET 6 OF 9 1:2

REV ECR DESCRIPTION DATE INITIAL APPROVED		REVISIONS			
	REV	DESCRIPTION	DATE	INITIAL	APPROVED

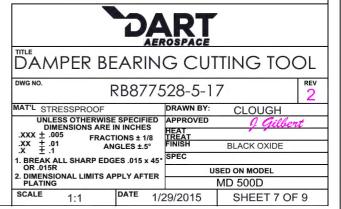






5/16-24 UNF - 2B THRU ALL

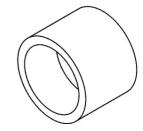
SECTION B-B

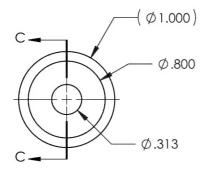


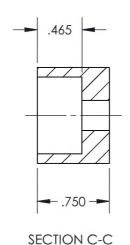


R&I ADAPTER

		REVISIONS			
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED







DAMPER BEARING CUTTING TOOL

DWG NO.

RB877528-5-21

DRAWN BY:

REV

MAT'L 6061 T6 UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

.XXX ± .005 FRACTIONS ± 1/8

.XX ± .01 ANGLES ± .5°

X ± .1 SPEC MIL.6

1. BREAK ALL SHARP EDGES .015 x 45*

OR .015R

2. DIMENSIONAL LIMITS APPLY AFTER PLATING

DEACK ANOUNCE

SPEC MIL-A-8625F, TYPE II, CLASS II

USED ON MODEL

MD 500D

BLACK ANODIZE

CLOUGH

SCALE

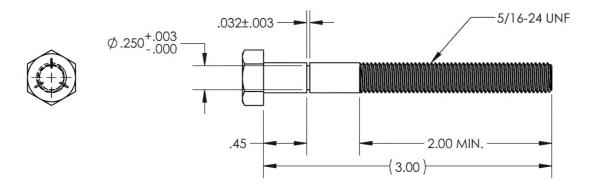
DATE 1/29/2015 1:1

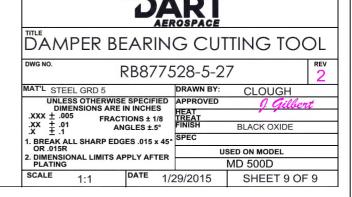
SHEET 8 OF 9

CAP

		REVISIONS			
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	15-0025	-27 CH'D DIAMETER FOR RETAINING RING WAS Ø.263 IS .250 +.003000.	1/30/2015	RJC	JAG







(-27)

BOLT